

List of relevant sequences

SEQ ID NO:1 (AJ002425.2 Nucleotide sequence for CAA05410.2 (LBDG5) protein, coding region start position =61, coding region finish position=1905)

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5      1  ggggcttatt aacggtgta tctggtagag cccccataaa gtaccaccgt ggggaagaca
      61  atgggacccg aaaacgagag ccccgtaggg ggggagatgt gggggagagt gtgtgtgttc
     121  agcgctagac aaaagagacc gcgatgcagc actttaaata gtcttctcgt tgctagaaca
     181  tgctataaca tgctggcgct ggtggattgg atcgagcagg atttcaagag cacttggcga
     241  aaggctcacg tttccctccg cgggttcctc gatttcgagc tggggagacg aaaagaggtt
    10  301  gccggggcctt ttctgggtgg ggataccaga cctgacccca aaaagccgcg gggggggtcc
     361  aaaaagaacg tggaggtgta tgatgatgac gtaggctctc aggctgcgga cagccccggg
     421  aaacgcatgg ccccgaaagg gacattttaga gataaggaca aatttgaagg gctgtttaag
     481  ctgggggcgc tgggtggcaa aaaagccttg accccagcat tttcttgctc cccaacagg
     541  gggtcgcctc tacacgccc aatatgggat gaaatcctct acaaggttga atccgggccc
    15  601  gtcaacattt gcgagggggg caaaagaggc gtgggggatcc acccccaga taactacggc
     661  gatacccttg atgaaaatct tggccttccc caaaaattg tgattaaggt gaagcccaaa
     721  accgaggaag ccaacacttg gttaaggcag gatctgaaaa atcataacag tgcaaaggag
     781  gccgggggct ccgacgagat taaaaccttt gtgacaggat gtaaaaaaga tgggcatagt
     841  gggcgtaaaa atatgaccac acatgacaga aattcaaaaa agtggcaacg ggtaaacttg
    20  901  tcccttatgg cctccctcca gctagattct aggggcggac gcgcggggcc ccggcgcgga
     961  gcgcggcgcc tgtgcctggt gtgtgaggac tatgccagct gttcaaacac ctgtgtctgg
    1021  tcctgtgaag cctacaaggt cttctttcgc cgaagtcaaa gtttcacaga tccagcctgt
    1081  ttcacaaacg attgcaacat ctctaagaat aggtctaagt cttgccagc ttgcctcctc
    1141  cgttgcctgc accctagcat taatgagatc cgaaaagaca agcgagcagc gctgaaagtg
    25  1201  cgagacaacg ttggtgaaga ggtggatatg accggtccta gctggacctg cctgaagcta
     1261  cttttttcag atggggaaaa agtgataccc agattgggcc atgaactccc agggatcaag
     1321  gggggccggc aggcaaaaca gcagtccac cgaggaagcc ccatcccaa aaacaggaaa
     1381  gggtggcccc ccggacatgt cctgtcaaat gacggcggag ctggtggcag ggtatggaaa
     1441  aaaaaatcct gtaaaccaat tcgccgagaa ggccccaa gtgtgggatcg gctgaatgaa
    30  1501  tctacacctt tgttttgggg gtctcgagcc aacaagagtt tagggaaggg aggcaccagg
     1561  gggaggattt tcatcaagca cccacacctc tttaagtttg cagcagatcc tcaggacaag
     1621  cactggctgg ctgagcagca tcatatgcgg gcaacaggag gaaagatggc gtaccttctc
     1681  attgaggaag acatcgggca gcatcatggc caggggttcc cagttatgct tctcaagatt
     1741  agccatatta ggcacatggt tgggggagtg gctcattgct tgtacgacat gaaagaaaag
    35  1801  aagtttgctc tgccatcctg gaaggttgag aagttgggga aatacgtgga gacactacgg
     1861  acagaaaaag agcatcgtgc tgctgaagca agtccccaga cctgactttc ccggcccggc
     1921  tgaggccatc atggggatgc ggtctagttg gctcttagca gcatcaagct gtacatgagc
     1981  tagttttagt tgactcactg cagagcccc cagactggct tgtggttctg tttctaaagt
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2041 tattggaata agaagcaatt aaacaagttt gtaattttaa aaaaaaaaaa aaaaa

SEQ ID NO:2 (Protein CAA05410.2; LBDG5)

1 mgpenespvg gemwgrvcvf sarqkrprcs tlslallvart cynmlalvdw ieqdfkstwr
5 61 kahvsrlrgfl dfelgrrkev agaflggdtr pdpkkprggs kknveyydd vgsqaadspg
121 krmapkgtfr dkdkfeglfk lgalvakkal tpaflscspnr gsplhahygd eilykvesgp
181 vniceggkrg vgihppdnyg dtldenlglp qkivikvkpq teeantwlrq dlknhsake
241 aggsdeiktf vtgckkdghs grknmtthdr nskkwqrvnl slmaslqlds rggragprrg
301 arrlclvced yascsnctvw sceaykvffr rsqsftdpac ftndcniskn rskscpacll
10 361 rclhpsinei rkdkraalkv rdnvgeevdm tgpwtclkl lfsdgekvip rlghelpgik
421 ggrqakqqsh rgspipknrk gwppghvlsn dggaggrvwk kksckpirre gpkwwdrln
481 stplfwgsra nkslgkggr grifikhphl fkfaadpqdk hwlaeqhmr atggkmayll
541 ieedigqhhg qgfpvmlki shirhmvggv ahclydmkek kfvlpwkv klgkyvetlr
601 tekehrarea spqt

15

SEQ ID NO:3 (Nucleotide coding sequence for LBDG10, CAA05409.2)

1 atggaccccg agaacgtgag agccgagggc ggggacatga gggagaaagt gagactgtcc
61 agcgctagac agagactgag atgcagcact aagaatagtc ttctcgttgc tagaacatgc
121 gtgctgaggc tggctgattg gatcgagcag gatctcaaga gcacttgcca aaaggctcac
20 181 gtttccctcc gcgggtacct cgatttccag ctgcaatgag ggagacgaaa agagggtgac
241 ggggctctgg gtggggatac cagacctgac cccaagaagc cgcggggggg ctccaaaaag
301 aacgtggagg tgtatggtga tgacgtaggc tctcaggctg cggacagccc gaggaacag
361 ctggcccgca aaggacatt cagagataag gacaaaattg aagcgctgtt caagctcggg
421 gagctggtgg ctaaaaaagc cttgtcctca gcaattactt ggttcccca cagcgtgtcg
25 481 cctctacacg ccattatggt ggatgaaatc ctctacaagg atgaatccgg gcttgtcaac
541 attagcgagg gtggcaaaag aggcgtggag atccaccccc cagataactt cggcatcaca
601 acccttgatg aagatcttgg ctttcccca ataattgtga ttaacgtgaa gcctcaaacc
661 gaggaagcca acacttggtg tagacaggat ctgaaatata ataacagtgc aaacgaggcc
721 gggactccg acgagaataa aacotttgtg agaggatgta gaaaagatgg gcatagttag
30 781 cgtaacaata tgaccacagg tgacagaaat tcaaaaaagc ccagcccgt aaacttctcc
841 ctcatggcat cctcgcct ggattctagg ggcaaagccg cggggccccc gcgcggagcg
901 aggcgcctgt gcctggtgtg tgaggactat gccagctgtt caaacacctg tgtctggtcc
961 tgtgaagcct acaaggtctt ctttcgccga agtcaaagtt tcacagatcc agcctgtttc
1021 acaaacgatt gcaacatctc taagaataga tctaagtctt gccagcctg cctcctccgt
35 1081 tgcctgcagc ctagcatcaa tgagatccga aaagacaagc gagcagcgt gaatgtgcga
1141 gacaacgttg gtgaagaggt ggatagacc ggtcctagct ggacctgcct gaagctactc
1201 ttttcagatg gagaaaaagt gataccaga ttggcccatg aacttccagg gatcaagcgt
1261 ggccggcagg cagaagagga gtcccaccga ggaagccca ttcccaaaaa gaggaaggt

1321 tggcctcctg gacatgtcct gtcaaagtac cgcgacagctg ctggcacggt atggaaacca
1381 aaatcctgtg aaccaattcg ccgagaaggc cccaagtggg acgctcggct gaatgaatct
1441 accacctttg ttttggggtc tcgagccaac aaggccttag ggaagggagg caccagaggg
1501 aggatattaca tcaagcacc acacctcttt aagtatgcag cagatcctca ggacaagcac
5 1561 tggctggctg agcagcttca tatgcgggca acaggaggaa agatggcgta ctttctcatt
1621 gaggaagaca tcgagcagca tcatggccag cggttcgcag ttttccttct caagattagc
1681 catattagc acatgggtga gggagtggct cattgcttgt acgacatgaa agttatccag
1741 tttgttctgc catcctggaa ggttgagaag ttgcggaaat acgtggagac actacggaca
1801 gaaaatgagc atcgtgctgc tgaagcaagt cccagacct ga

10

SEQ ID NO:4 (Protein coding sequence for LBDG10, CAA05409.2)

1 mdpenvraeg gdmrekvrsl sarqrlrcst knsllvartc vlrlvdwieq dlkstcekah
61 vsrlrgyldfq lqcgrakeva galggdtrpd pkkprggskk nveygddvg sqaadsprkq
15 121 laakgtfrdk dkiealfklg elvakkalss aitwfpnsvs plhahygdei lykdesglvn
181 iseggkrgve ihppdnfgit tldeedlgfpq iivinvkpqt eeantwyrqd lkyhnsanea
241 gysdenktfv rgcrkdghse rnnmttgdrn skkaqpvnfs lmaslaldsr gkaagprrga
301 rrlclvcedy ascstncvws ceaykvffrr sqsftdpacf tndcnisknr skscpacllr
361 clqpsineir kdkraalnvr dnvgeevdmt gpswtclkl1 fsdgekvipl lahclpgikr
20 421 grqaeeshr gspipkkrkg wppghvlsnd raaagtvwkp kscepirreg pkwdarlne
481 ttflvgsran kalgkggtrg riyikhphlf kyaadpqdkh wlaeqhlmra tggkmaylli
541 eedieqhghg rfavfllkis hirhmvegva hclydmkviq fvlpswkvek lrkyvetlrt
601 enehraaeas pqt

25 SEQ ID NO:5 (Nucleotide coding sequence for BAB62888.1 (LBDG11))

1 atgggagcca ctggcgacgc cgagcagccg cggggaccca gcggggcga gagggcgccg
61 ttggagctgg gggatgcggg cgcagcgggg cagctgttcc ttacgaacct ttggaacata
121 atgataaagc accggcaggt gcagcggagg ggccgcccgt cacagatgac aacaagtctc
181 acagatcctg ccatctccat ggatctcctc cgagctgtcc tgcagcccag catcaacgag
30 241 gagatccaga ctgtcttcaa caagtacatg aagttcttcc agaaggcagc actgaacgtg
301 cgagacaatg ttggggagga ggtggacgca gagcagctga tccaggaagc ctgtcggagc
361 tgcctggagc aggctaaact gctcttttca gatggagaaa aagtaatacc cagattgacc
421 catgagcttc caggaataaa gcgtggccgt caggcagaag aagaatgtgc ccatcgagga
481 agcccccttc ctaaaaagag gaaaggacgg cctcctggac acatcctgtc aagcgaccgg
35 541 gcagccgccg gcatggtatg gaaacaaaaa tcctgtgaac caattcgccg ggaaggcccc
601 aagtgggacc cagctcgcct gaatgaatct accacctttg tgttgggata tcgagccaac
661 aaagccctgg ggatgggggg caccagagga agaattctaca tcaagcacc acacctcttt
721 aagtatgcag ctgaccccca ggataagcac tggctggctg agcagcatca catgcgggca

781 acagggggca agatggccta cctcctcatc gaggaggaca tccgggacct tgcggccagt
 841 gatgattaca gaggatgcct ggatctgaag ctagaggaat tgaaatcctt tgtcctaccc
 901 tcctggatgg tggagaagat gagaaagtat atggagacac tacggacaga gaatgagcat
 961 cgtgctgttg aagcacctcc acagacctga

5

SEQ ID NO:6 (Protein coding sequence for BAB62888.1 (LBDG11))

1 mgatgdaepp rgpsgaergg lelgdagaag qlvltnpwni mikhrqvqrr grrsqmttsf
 61 tdpaismdll ravlqpsine eiqtvfinkym kffqkaalnv rdnvgeevda eqliqeacrs
 121 cleqakllfs dgekviprlt helpgikrgr qaeecahrg splpkkrkgr ppghilssdr
 10 181 aaagmvwkp k scepirregp kwdparlnes ttfvlgsran kalgmggtrg riyikhphlf
 241 kyaadpqdkh wlaeqhbmra tggkmaylli eedirdlaas ddyrgcldlk leelksfvlp
 301 swmvekmrky metlrlteneh raveappqt

SEQ ID NO:7 (Nucleotide coding sequence for AAH03486.1 (LBDG12))

15 1 atggggggcga ctggcgacac cgagcagccg cggggccccc gcggggcgga gcgaggtggc
 61 ctggagctgg gcgacgcggg cgcggcgggc cagccggttc tcacgaaccc ttggaacata
 121 atgataaaac atcggcaggt gcagcgaagg ggccgccgat ctcagatgac cacaagtttc
 181 acagaccag ccatctctat ggatctcctc cgtgctgtcc tgcagcctag catcaatgag
 241 gagatccagg gtgtcttcaa caagtacatg aagtctctcc agaaggcagc gctgaatgtg
 20 301 cgagacaatg ttggggaaga agtggacgca gagcagttga ttcaggaggc ctgccgcagc
 361 tgcctggagc aggcaaagct gctcttttct gatggagaga aagtataacc cagattggcc
 421 catgagcttc cagggatcaa gcggggcccg caagcagaag aggagtccca ccgaggaagc
 481 cccattccca aaaagaggaa aggtcggcct cctggacacg tcctgtcaaa tgaccgcgca
 541 gctgctggca tggatatgaa aaaaaaatcc tgtgaaccaa ttcgccgaga agggcccaag
 25 601 tgggaccag ctcggctgaa tgaatctacc acctttgttt tggggtctcg agccaacaag
 661 gccttgggga tgggaggcac cagagggaga atctacatca agcaccaca cctctttaag
 721 tatgcagcag atcctcagga caagcactgg ctggctgagc agcatcacat gcgggcaaca
 781 ggcggaaaga tggcgtaact tctcattgaa gaagacatcc gggacttggc tgccagcgat
 841 gactacagag gatgcttggc cctgaagttg gaggagctga aatcctttgt tctgccatcc
 30 901 tggatggttg agaagatgcg gaaatacatg gagacactgc ggacagaaaa tgagcaccgc
 961 gctgcggaag cgctcccca gacctga

SEQ ID NO:8 (Protein coding sequence for AAH03486.1 (LBDG12))

1 mgatgdtepp rpggaergg lelgdagaag qpvltnpwni mikhrqvqrr grrsqmttsf
 35 61 tdpaismdll ravlqpsine eiqgvfnkym kffqkaalnv rdnvgeevda eqliqeacrs
 121 cleqakllfs dgekviprla helpgikrgr qaeeshrgs pipkkkrgrp pghvlsndra
 181 aagmvwkqks cepirregpk wdparlnest tfvlgsrank almggtrgr iyikhphlflk

241 yaadpqdkhw laeqhhmrat ggkmayllie edirdlaasd dyrgcldlkl eelksfvlps
301 wmvckmrkym etlrtenehr aaeappqt

SEQ ID NO:9 (Nucleotide coding sequence for AAK49953.1 (LBDG13))

5 1 atgggggcca ctggcgacac cgggggnccc cggccgggga cggaatcaag gcggcctgga
 61 aacgtgggca acgcgggccc ggccggccag ccggttctca cgaacccttg gaacataatg
 121 atcaaacctc gccaggtgca gcgaagaggc cgcgatctc agatgaccac aagtttcaca
 181 gatccagcca tctctatgga tctcctccgt gctgtcctgc agcctagcat caatgaggag
 241 atccagagtg tcttcaacaa gtacatgaag ttcttccaga aggcagcgct gaatgtgcga
10 301 gacaacgttg gtgaagaggt ggatgcagaa cagttgattc aggaggcctg ccgcagctgc
 361 gtggagcagg caaagctact cttttcagat ggagaaaaag tgatacccag attggcccat
 421 gaacttccag ggatcaagcg tggccggcag gcagaagagg agtcccaccg agaagcccca
 481 ttcccaaaaa gaggaaaggt cggccttcct ggacatgtcc tgtcaaataa ccgcgcagct
 541 gctggcatgg tatggaaacc aaaatcctgt gaaccaattc gccgagaagg cccaagtgg
15 601 gaccagctc ggctgaatga atctaccacc tttgttttgg ggtctcgagc caacaaggcc
 661 ttagggatgg gaggcaccag agggaggatt tacatcaagc acccacacct ctttaagtat
 721 gcagcagatc ctcaggacaa gcaactggctg gctgagcagc atcatatgcg ggcaacagga
 781 ggaaagatgg cgtaccttct cattgaggaa gacatccgag acttggtgc cagcgatgac
 841 tacagaggat gcttggacct gaagttggag gagctgaagt cttttgtttt gccatcctgg
20 901 atggttgaga agatgcggaa atacatggag acactacgga cagaaaatga gcatcgtgct
 961 gctgaagcaa ctccccagac ctga

SEQ ID NO:10 (Protein coding sequence for AAK49953.1 (LBDG13))

 1 mgatgdtggp rpgtesrrpg nvgnagaagq pvltnpwnim ikprqvqrrg rrsqmttsft
25 61 dpaismdllr avlqpsinee iqsvfnkymk ffqkaalnvr dnvgeevdae qlieacrsc
 121 veqakllfsd gekviprlah elpgikrgrq aeeeshreap fpkrgkvglp ghvlsndraa
 181 agmvwkpksc epiirregpkw dparlnestt fvlgsranka lmggtrgri yikhphlfky
 241 aadpqdkhw1 aeqhhmratg gkmaylliee dirdlaasdd yrgcldlkle elksfvlpsw
 301 mvekmrkyme tlrtenehra aeatpqt